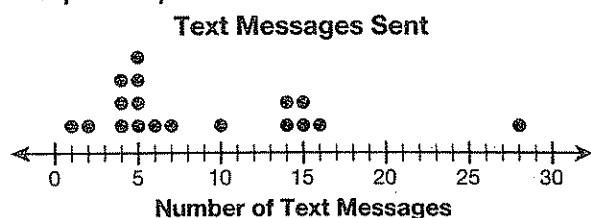


Domain 5 Review

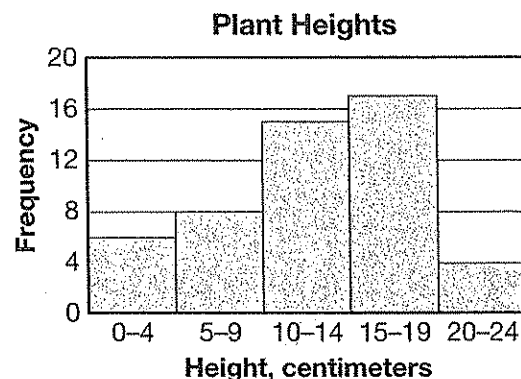
1. mean: 93; median: 84; Answers may vary. Possible answer: These measures describe the center of the data. They represent the "average" number of people at each performance. 6.SP.2
2. 86; Answers may vary. Possible answer: The range describes the variation in the number of people at the performances. 6.SP.2
3. Answers may vary. Possible answer: The mean is a single number that summarizes the all the values in the set. 6.SP.3
4. Answers may vary. Possible answer: The range is a single number that describes how the values in the data set vary. 6.SP.3
5. a. statistical; b. not statistical 6.SP.1
6. Sample dot plot: 6.SP.4



7. Answers may vary. Possible answer: How many hours per week do you practice during the off-season? 6.SP.1
8. 29 6.SP.5.a
9. Each dot represents one day. 6.SP.5.b
10. 9 cm 6.SP.5.c
11. 13 cm 6.SP.5.c
12. Answers may vary. Possible answer: Because most of the data are clustered between 0 and 15 cm, the median would better describe the center. The mean would be affected by the higher values at the right. 6.SP.5.d
13. Answers may vary. Possible answer: Because there is so much variability on the right side of the plot, the better description of the variability of the data would be the interquartile range, which describes the range in the middle 50% of the data. 6.SP.5.d
14. mean: 89; mean absolute deviation: 4.8; The mean absolute deviation measures the average amount that the test scores differ from the mean. 6.SP.5.c

15. 50 6.SP.5.d

16. Sample histogram: 6.SP.4



17. Answers may vary. Possible answer: The histogram shows that most of the plants (more than 60%) were between 10 and 19 centimeters tall. Only 4 plants were more than 19 cm tall; 14 plants were less than 10 cm tall. 6.SP.5.c